

# Notice of Allowability

Application No.

09/917,950

Examiner

Tae H Yoon

Applicant(s)

SYMES ET AL.

Art Unit

1714

## -- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to terminal disclaimer.
2. ☒ The allowed claim(s) is/are 16-28.
3. ☐ The drawings filed on \_\_\_\_\_ are accepted by the Examiner.
4. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☒ All    b) ☐ Some\*    c) ☐ None    of the:
    1. ☐ Certified copies of the priority documents have been received.
    2. ☒ Certified copies of the priority documents have been received in Application No. 09/107,407.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).
- \* Certified copies not received: \_\_\_\_\_.
5. ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
  - (a) ☐ The translation of the foreign language provisional application has been received.
6. ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. **THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

7. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
8. ☐ CORRECTED DRAWINGS must be submitted.
  - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
    - 1) ☐ hereto or 2) ☐ to Paper No. \_\_\_\_\_.
  - (b) ☐ including changes required by the proposed drawing correction filed \_\_\_\_\_, which has been approved by the Examiner.
  - (c) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No. \_\_\_\_\_.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet.

9. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

### Attachment(s)

- |  |  |
|--|--|
| 1 <input type="checkbox"/> Notice of References Cited (PTO-892)  | 2 <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3 <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                    | 4 <input type="checkbox"/> Interview Summary (PTO-413), Paper No. _____    |
| 5 <input type="checkbox"/> Information Disclosure Statements (PTO-1449), Paper No. _____               | 6 <input checked="" type="checkbox"/> Examiner's Amendment/Comment         |
| 7 <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit of Biological Material | 8 <input type="checkbox"/> Examiner's Statement of Reasons for Allowance   |
|  | 9 <input type="checkbox"/> Other   |

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### EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.


Authorization for this examiner's amendment was given in a telephone interview with Mr. Callahan on August 13, 2003.

The application has been amended as follows: In line 1 of claim 27, "if" has been replaced with "of".

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tae H Yoon whose telephone number is (703) 308-2389. The examiner can normally be reached on Mon-Thu.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Vasu Jagannathan can be reached on (703) 306-2777. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-0661.

  
Tae H Yoon  
Primary Examiner  
Art Unit 1714

THY  
August 13, 2003

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CLMPTO

08/19/2003

Y.M.

Claims 1 thru 15 (cancelled)

Claim 16 (amended)

<sup>1</sup>/~~16~~. (Amended) A liquid detergent composition comprising polymer particles having reacted onto their surfaces a polymeric amphipathic stabiliser comprising an addition polymer of hydrophobic monomer units and hydrophilic monomer units wherein the hydrophilic monomer units comprise carboxylic free acid or acid salt units and reactive monomer units selected from the group consisting of (a) glycidyl monomer units and (b) anhydride monomer units wherein the amount of anhydride units is either below 10% by weight total monomer units or is less than 19% by weight total carboxylic acid monomer units.

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<sup>2</sup>/~~17~~. The liquid detergent of claim <sup>1</sup>/~~16~~ in which the amount of the reactive monomer units in the stabilizer is less than 10% by weight total monomer units.

<sup>3</sup>/~~18~~. The liquid detergent of claim <sup>1</sup>/~~16~~ in which the amount of reactive monomer units in the stabilizer is at least 0.5% by weight.

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<sup>4</sup>/~~16~~. (Amended) The liquid detergent of claim <sup>1</sup>/~~16~~ in which the amount of the reactive monomer units in the stabilizer is 1 to 5% by weight.

<sup>5</sup>/~~26~~. (Amended) The liquid detergent of any preceding claims <sup>1</sup>/~~16~~ to <sup>4</sup>/~~19~~ in which the reactive monomer units in the stabilizer are selected from the group consisting of glycidyl acrylate and glycidyl methacrylate.

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<sup>6</sup>/~~26~~. The liquid detergent of any of claims <sup>1</sup>/~~16~~ to <sup>4</sup>/~~19~~ in which the reactive monomer units in the stabilizer are maleic anhydride.

<sup>7</sup>/~~26~~. The liquid detergent of any of claims <sup>1</sup>/~~16~~ to <sup>4</sup>/~~19~~ in which the hydrophilic monomer units in the stabilizer comprise 5 to 30% by weight carboxylic monomer units and 0 to 20% by weight hydroxyalkyl monomer units and the reactive monomer units.

<sup>8</sup>/~~26~~. The liquid detergent of claim <sup>7</sup>/~~22~~ in which the hydrophilic monomer units in the stabilizer contains at least 10% by weight of the carboxylic acid monomer units.

<sup>9</sup>/~~26~~. The liquid detergent of any of the preceding claims <sup>1</sup>/~~16~~ to <sup>4</sup>/~~19~~ in which the stabilizer is formed from at least 20% by weight C<sub>8-24</sub>(meth) acrylate units and at least 10% by weight C<sub>1-4</sub>(meth) acrylate or styrene units.

<sup>10</sup>/~~26~~. The liquid detergent of any of the preceding claims <sup>1</sup>/~~16~~ to <sup>4</sup>/~~19~~ in which the stabilizer comprises 25 to 70% by weight C<sub>8-24</sub> alkyl methacrylate, 15 to 40% methyl methacrylate and/or styrene, 5 to 30% methacrylic acid and/or maleic acid, 0 to 20% hydroxyalkyl (meth) acrylate and 1 to 5% maleic anhydride and/or glycidyl (meth) acrylate.

<sup>11</sup>/~~26~~. The liquid detergent of any of the preceding claims <sup>1</sup>/~~16~~ to <sup>4</sup>/~~19~~ in which the surface of the polymeric particles comprise reactive groups reacted with glycidyl or anhydride groups in the stabilizer.

<sup>12</sup>/~~26~~. The liquid detergent of claim <sup>11</sup>/~~26~~, wherein the surface <sup>of</sup>/~~of~~ the polymeric particles has been formed by reverse phase polymerisation or interfacial condensation.

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<sup>13</sup>/<sub>26</sub>. (New) The liquid detergent of claim <sup>4</sup>/<sub>18</sub> in which the amount of the reactive monomer units in the stabilizer is 1 to 3% by weight.